

**SUPPLEMENTAL/BID BULLETIN**  
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 Metals Industry Research and Development Center  
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**ADDENDUM NO. 1**

This Supplemental Bid Bulletin No. 1 is being issued to further clarify, modify and amend items, specifications in the Bid Documents to address key issues for the **“One lot supply and delivery of Twenty (20) units of workstation with design and engineering simulation software”**

<b>THIS SUPERSEDES THE ORIGINAL TOR AS INITIALLY PUBLISHED</b>	
<b>TERMS OF REFERENCE</b>	
<b>One lot supply and delivery of Twenty (20) units of workstation with design and engineering simulation software:</b>	
<b>Approved Budget for the Contract (ABC): PhP 13,800,000.00</b>	
<b>Item Description:</b>	
<b>A) Twenty (20) units of Computer Workstation</b>	
<b>Description</b>	<b>Technical Specifications</b>
Operating System	Windows 11 Pro
Mother Board	Manufacturer standard that can accommodate the following:
Processor	<ul style="list-style-type: none"> <li>• Intel Core i7 13<sup>th</sup> Gen</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>• Manufacturer Standard</li> </ul>
RAM	<ul style="list-style-type: none"> <li>• 32GB DDR4</li> <li>• Expandable up to 128GB</li> </ul>
GPU	<ul style="list-style-type: none"> <li>• NVIDIA GeForce RTX3060 12GB GDDR6 or better</li> <li>• Base Clock (GHz): 1.32</li> </ul>
Storage	<ul style="list-style-type: none"> <li>• 256GB M.2 NVMe PCIe 4.0 SSD</li> <li>• 1TB SATA 7200RPM 3.5" HDD</li> </ul>
Front and Rear I/O Ports must have the following Manufacturer Standard	<ul style="list-style-type: none"> <li>• USB 2.0 Type-A</li> <li>• USB 3.2 Type-A</li> <li>• USB 2.0 Type-C</li> <li>• USB 3.2 Type-C</li> <li>• Audio jacks</li> <li>• HDMI</li> <li>• Display port</li> <li>• RJ45 Gigabit Ethernet</li> </ul>
Keyboard and mouse	Wireless keyboard / Wireless optical mouse (batteries included)
Audio	High Definition 7.1 Channel Audio
Power Supply	500W power supply or better
Wireless Connectivity	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth 5.2 Wireless Card

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Monitor		<ul style="list-style-type: none"> <li>• Monitor size 27 inch or better</li> <li>• WLED / IPS Black or better with DISPLAYPORT   HDMI   VGA D-SUB</li> </ul>
Warranty		<ul style="list-style-type: none"> <li>• Two (2) years free of parts and service onsite.</li> </ul>
<b>Others</b>		
Operations & Maintenance Manual (English)		Included
Uninterruptable Power Supply		With general socket for workstations (compatible with the power requirements of the workstation)
All accessories necessary for proper installation, efficient operation, and compatible with CAD/CAE software  Unit must be NOT CLONED.		Included
Include the LOGO MEIC in Desktop Casing - Dimension and location shall determine by the end-user		Laminated Sticker or better.
<b>B) Twenty (20) units of CAD/CAE software</b>		
<b>Description</b>	<b>Technical Specifications</b>	
<b>Computer Aided Design Aspect</b>		
Can support a variety of translators and interfaces	<ul style="list-style-type: none"> <li>• DXF/DWG</li> <li>• IGES</li> <li>• ACIS Translator</li> <li>• STEP AP203/214</li> <li>• STEP AP242</li> <li>• 2D Exchange</li> <li>• CATIA V5 Translator</li> </ul>	
Design usage agreement	<ul style="list-style-type: none"> <li>• Assemblies</li> <li>• Synchronous Technology</li> <li>• Drafting</li> <li>• Sheet Metal</li> <li>• Product and Manufacturing Information</li> <li>• Structure Designer</li> <li>• Design for Additive Features and Checkers</li> <li>• Advanced Assemblies</li> <li>• Advanced Sheetmetal</li> </ul>	
Modeling	<ul style="list-style-type: none"> <li>• Solid &amp; Feature Modeling</li> <li>• Core Convergent Modeling</li> <li>• Advanced Convergent Modeling</li> <li>• Freeform Modeling Basic</li> <li>• Freeform Modeling Advanced</li> </ul>	

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Domain Specific	<ul style="list-style-type: none"> <li>• Mold</li> <li>• Routing HVAC</li> <li>• Routing P&amp;ID</li> <li>• Routing Piping &amp; Tubing</li> <li>• Routing Cabling</li> <li>• Routing Harness</li> <li>• Routing Base</li> <li>• Platforms</li> <li>• Progressive Die</li> <li>• Stamping Die Engineering</li> </ul>
Design	<ul style="list-style-type: none"> <li>• Stamping Die Structure Design</li> <li>• Mechatronics Concept Design</li> <li>• Electrode Design</li> <li>• Line Designer</li> <li>• P&amp;ID Designer</li> </ul>
Product Design	<ul style="list-style-type: none"> <li>• Advanced Surface Analysis</li> <li>• Static Photorealistic Rendering</li> <li>• Realize Shape</li> <li>• Freeform Shape</li> </ul>
CAD Standards Checking	<ul style="list-style-type: none"> <li>• Verify Designs against Company Standards</li> <li>• Automatically Correct Non-Conforming Issues</li> <li>• Customize Design Check Rules</li> </ul>
<b>Computer Aided Engineering aspect</b>	
Simulation	<ul style="list-style-type: none"> <li>• Geometry Optimization</li> <li>• Stress Analysis</li> <li>• Vibration Analysis</li> <li>• Basic Flow Analysis</li> <li>• Advanced Flow Analysis</li> <li>• Design simulation</li> </ul>
Validation	<ul style="list-style-type: none"> <li>• Animation Designer</li> <li>• Molded Part Validation</li> <li>• Product Validation</li> <li>• Product Validation Authoring</li> <li>• One Step Formability Analysis</li> </ul>
Licensing Type	<ul style="list-style-type: none"> <li>• Industrial version</li> <li>• Perpetual License</li> <li>• With 2 years subscription update or better</li> </ul>
<b>Others</b>	
Warranty	One (1) year free service onsite
Operations & Maintenance Manual (English)	Included
Similar Contract	<ul style="list-style-type: none"> <li>• Supplier of CAD/CAE software or hardware provider for at least five (5) years in experience as an authorized dealer/distributor that is/are verifiable to past/current customer/s.</li> </ul>

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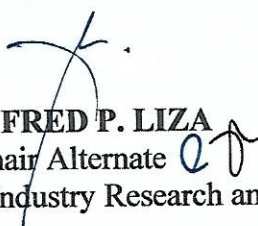
<p>Delivery, training, Installation and Commissioning</p>	<p>The principal source of the equipment must be available and verifiable i.e. website, among others.</p> <p>The winning bidder shall provide all materials and labor related to installation and commissioning</p> <p>Two (2) units per SUC's must be delivered, installed and commissioned to the following institutions and locations:</p> <ol style="list-style-type: none"> <li>1. Batangas State University Jose P. Laurel Polytechnic College, Malvar, Batangas</li> <li>2. Western Philippines University San Juan, Aborlan, Palawan, 3rd District, MIMAROPA</li> <li>3. Bicol State College of Applied Sciences and Technology (BiSCAST) Peñafrancia Ave, Naga, Camarines Sur</li> <li>4. Technological University of the Philippine-Visayas (TUP-V) Talisay City, Negros Occidental</li> <li>5. Negros Oriental State University (NORSU) Kagawasan Avenue, Dumaguete, Negros Oriental</li> <li>6. Eastern Visayas State University (EVSU) Tacloban City, Leyte</li> <li>7. Zamboanga Peninsula Polytechnic State University (ZPPSU) R.T. Lim St, Zamboanga, Zamboanga del Sur</li> <li>8. University of Southeastern Philippines (USEP) Iñigo Street, Obrero, Davao City</li> <li>9. Mindanao State University-General Santos (MSU-Gen. San.) Gen. Santos City, South Cotabato</li> <li>10. Surigao State College of Technology (SSCT) Surigao City, Surigao del Norte</li> </ol>
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Local Training	<p>The winning bidder shall provide Subject Matter Expert for the conduct of training on operations of the CAD/CAE for at least five (5) staffs from each host SUC's to be conducted on MEIC facilities. The training shall include comprehensive techniques in the CAD/CAE operations for a minimum of 40 hrs. covering the following topics:</p> <ol style="list-style-type: none"> <li>1. Computer Aided Design Modeling <ul style="list-style-type: none"> <li>• 3D drawing</li> <li>• Drafting (dimension and tolerancing)</li> <li>• Application of GD&amp;T</li> </ul> </li> <li>2. Computer Aided Engineering <ul style="list-style-type: none"> <li>• Basic Simulation (all aspect)</li> </ul> </li> </ol> <p>Likewise, the winning bidder shall submit a course outline as part of their bid offer.</p> <p>The winning bidder shall issue training certificates for the participants.</p> <p>Certificate of completion of the training must be issued by the principal provider.</p>
Acceptance	<p>The winning bidder shall deliver the items directly to the ten (10) SUC's. All cost shall be shouldered by the winning bidder. They shall provide labor and materials for the test run.</p>
Delivery, Installation and Commissioning Period	90 Calendar Days

This shall form an integral part of the Bidding Documents for the **“One lot supply and delivery of Twenty (20) units of workstation with design and engineering simulation software”**

For the guidance and information of all concerned.

  
**ENGR. FRED P. LIZA**  
 BAC Chair Alternate  
 Metals Industry Research and Development Center